

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	(barcode or identity or label or "bar code" or id or mark or serial or identification) with (top or bottom) with (transparent or clear) with (layer or film or coat\$4 or passiv\$5 or encapsula\$5) with (chip or processor or bge or microprocessor or ic or circuit)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/21 15:20
S2	3601	(barcode or identity or label or "bar code" or id or mark or serial or identification) with (top or bottom) with (chip or processor or bge or microprocessor or ic or circuit)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/21 15:26
S3	157	(barcode or identity or label or "bar code" or id or mark or serial or identification) with (top or bottom) with (chip or processor or bge or microprocessor or ic or circuit) same (transparent or clear or visible)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/21 15:26
S4	168	(semiconductor or ic or chip or processor or microprocessor) with (label or barcode or "bar code" or symbol\$4 or indicia or id or identifier or identification or serial) with (coat\$4 or encapsula\$5 or film\$4 or layer) with (transparent or clear or translucent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/21 16:07
S5	163	S4 not S3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/21 16:07
S6	77	(semiconductor or ic or chip or processor or microprocessor) with (label or barcode or "bar code" or symbol\$4 or indicia or id or identifier or identification or serial) with (coat\$4 or encapsula\$5 or film\$4 or layer) with (transparent or clear or translucent)	USPAT; EPO; JPO	OR	ON	2010/12/21 16:08
S7	986	(chip or semiconductor or processor or circuit or microchip or ic) with (id or identification or identifier or identif\$5 or mark\$4 or barcode or indicia or "bar code" or symbol\$4) with (cover\$4 or coat\$4 or encapsulat\$4 or film or layer or protect\$4) with (transparent or clear or translucent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 13:44

S8	481	(chip or semiconductor or processor or circuit or microchip or ic) same (id or identification or identifier or identifi\$5 or mark\$4 or barcode or indicia or "bar code" or symbol\$4) with (cover\$4 or coat\$4 or encapsulat\$4 or film or layer or protect\$4 or seal\$4) with (transparent or clear or translucent) same (top or bottom or front or back or rear)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 13:45
S9	12	S7 and (BGA or "ball grid")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:10
S10	199	S7 and "257"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:12
S11	341	((chip or semiconductor or processor or circuit or microchip or ic) same (id or identification or identifier or identifi\$5 or mark\$4 or barcode or indicia or "bar code" or symbol\$4) with (overlay \$4 or spray\$4 or cover\$4 or coat\$4 or encapsulat\$4 or film or layer or protect \$4) with (transparent or clear or translucent)) and "257"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:13
S12	8315	235/462.01,454,487.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:29
S13	12719	257/678,787,730,737.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:32
S14	1466	438/26,25.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:35
S15	8879	438/26,25,15,51,55,64,106.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:36
S16	7	"20020052056" or "7436077".pn. or "6420790".pn. or "6400037".pn. or "6181017".pn. or "5834850".pn. or "20030080440"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/12/22 16:37
S17	9	("5644102"   "6278193"   "6441504"   "6476499"   "6518090"   "6531370"   "6555925"   "6571466"   "6646325"). PN. OR ("7436077").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/22 16:41
S18	1	"5075201".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 11:33
S19	31	(257/797,e23.179,e21.525 438/401,462).ccls. and visib\$8 with (transpar\$5 translucent\$5 clear) not (@ad-> "20000312" @riad-> "20000312" @pt1d-> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 11:37

S20	1	"6476499".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 12:03
S21	56	(257/797,e23.179,e21.525 438/401,462).ccls. and (transpar\$5 translucen\$5 clear) with (chip or ic or semiconductor or circuit or microprocessor or processor) with (barcode or "bar code" or mark\$4 or etch\$4 or scrib\$4 or id or serial or model or identify\$4 or identification or identifier) not (@ad>"20000312" @rlad>"20000312" @pt1d>"20000312")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 12:13
S22	55	(257/797,e23.179,e21.525 438/401,462).ccls. and (chip or ic or semiconductor or circuit or microprocessor or processor) same (transpar\$5 translucen\$5 clear) with (film\$4 or coat\$4 or layer or encapsula \$5 or cover\$4) with (barcode or "bar code" or mark\$4 or etch\$4 or scrib\$4 or id or serial or model or identify\$4 or identification or identifier) not (@ad>"20000312" @rlad>"20000312" @pt1d>"20000312")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 12:14
S23	37	(257/797,e23.179,e21.525 438/401,462).ccls. and (BGA or "ball grid") same align\$4 near3 mark\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 12:23
S24	281	("257"/\$.ccls. "438"/\$.ccls.) and (BGA or "ball grid" or FCBGA) and (transparent or clear or translucent or visible) with ((align\$4 near3 mark\$4) or barcode or "bar code" or indicia or mark\$4 or etch\$4 or scrib\$4 or id or serial or identifier or identification or model)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 12:32
S25	110	("257"/\$.ccls. "438"/\$.ccls.) and (BGA or "ball grid" or FCBGA) and (transparent or clear or translucent or visible) with ((align\$4 near3 mark\$4) or barcode or "bar code" or indicia or mark\$4 or etch\$4 or scrib\$4 or id or serial or identifier or identification or model) with (film or coat\$4 or layer or encapsula\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 12:55
S26	1	"6476499".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 13:15
S27	1	"6181017".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 14:05

S28	155	("257"/\$.cols. "438"/\$.cols.) and (BGA or "ball grid" or FCBGA) and (transparent or clear or S02 or Sio or epoxy or resin or translucent or visible) with (layer or coat\$4 or film) with ((align\$4 near3 mark\$4) or barcode or "bar code" or indicia or mark\$4 or etch \$4 or scribe\$4 or id or serial or identifier or identification or model) same (top or cover)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 14:11
S29	1	"5894172".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 14:12
S30	15203	hiromasa.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 14:15
S31	0	hiromasa.in. and "362149448"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 14:16
S32	1	hiromasa.in. and jp362169448a	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 14:17
S33	10	S28 not (@ad> "20000312" @rld> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 14:20
S34	1928	("257"/\$.cols. "438"/\$.cols.) and (BGA or "ball grid" or FCBGA or "flip chip") and (transparent or clear or S02 or Sio or epoxy or resin or translucent or visible) with (layer or coat\$4 or film) with ((align\$4 near3 mark\$4) or barcode or "bar code" or indicia or mark \$4 or etch\$4 or scribe\$4 or id or serial or identifier or identification or model)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 15:00
S35	201	S34 not (@ad> "20000312" @rld> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:01
S36	191	S35 not S28	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:01
S37	113	("257"/\$.cols. "438"/\$.cols.) and (BGA or "ball grid" or FCBGA or "flip chip") and (transparent or clear or S02 or Sio or epoxy or resin or translucent or visible) with (layer or coat\$4 or film) with ((align\$4 near3 mark\$4) or barcode or "bar code" or indicia or id or serial or identifier or identification)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/12/23 15:08
S38	12	S37 not (@ad> "20000312" @rld> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:14

S39	340	(coat\$4 or film\$4) with (transparent or clear) with (align\$4 adj mark\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:38
S40	1658	(coat\$4 or film\$4) near S20 (transparent or clear) with (align\$4 adj mark\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:38
S41	240	(coat\$4 or film\$4) near3 (transparent or clear) with (align\$4 adj mark\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:38
S42	71	S41 and ("257"/\$.ocls. "438"/\$.ocls.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:38
S43	12	S42 not (@ad> "20000312" @rlad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:39
S44	163	top with (align\$4 adj mark\$3) same (transparent or clear or epoxy or siO2 or sio)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:43
S45	1312	(align\$4 adj mark\$3) same (transparent or clear or epoxy or siO2 or sio) with (film\$4 or coat\$4 or layer \$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:43
S46	739	(align\$4 adj mark\$3) with (transparent or clear or epoxy or siO2 or sio) with (film\$4 or coat\$4 or layer\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:44
S47	318	S46 and ("257"/\$.ocls. "438"/\$.ocls.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:44
S48	61	S47 not (@ad> "20000312" @rlad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:44
S49	339	(protect\$4 or preserv\$3) near3 (alignment adj mark\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:48
S50	250	S49 and ("257"/\$.ocls. "438"/\$.ocls.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/12/23 15:48
S51	74	S50 not (@ad> "20000312" @rlad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:49
S52	49	S51 not (S48 S44 S43 S42)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 15:49
S53	15	("5744379"   "5834323"   "5970310"   "6048750"   "6069567"   "6121069"   "6278193").PN. OR ("6593168").URFN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 16:04
S54	62	transparent near3 (film or coat\$3) near3 (alignment) adj mark\$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/23 16:18
S55	15	S54 not (@ad> "20000312" @rlad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 16:18

S56	127	(transparent or clear) near3 (film or coat\$3 or layer) near3 (alignment) adj mark\$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/23 16:35
S57	130	(transparent or clear or translucent) near3 (film or coat\$3 or layer) near3 (alignment) adj mark\$3	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/23 16:35
S58	36	S57 not (@ad> "20000312" @riad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 16:35
S59	127	(flip adj chip) with underfi\$4 and (BGA or "ball grid") not (@ad> "20000312" @riad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 16:50
S60	1	((("257"/\$.ocls. "438"/\$.ocls.) and alignment adj mark with (barcode or "bar code") )not (@ad> "20000312" @riad> "20000312" @pt1d> "20000312")	US-PGPUB; USPAT; USOCR	OR	OFF	2010/12/23 17:54

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